

Current Issues in Pensions
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Effective decisions

Understanding biases

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Heuristics

The way in which we make decisions

System 1 (intuition)

Fast
Automatic
Implicit
Emotional

System 2 (logic)

Slower
Conscious
Effortful
Explicit

Kahneman, 2003, Bounded rationality

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Bounded rationality

Real world simplification

Kahneman, 2003, Bounded rationality

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Purpose of trustee / sponsor / member decisions

- The world we view
 - To help stakeholders make better decisions?
 - To help stakeholders be happier with our decisions?
 - To help others be happier with our decisions?
- The world we want others to view
 - To help others to make better decisions?
 - To help others make a certain decision?
 - To help them be happier with our decisions?

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Certainty: estimating probabilities

- Individuals prefer certainty ... link to confidence
- Individuals struggle to estimate probabilities
- Examples
 - Confidence intervals
 - False negatives
 - DNA

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Overconfidence

- Individuals overestimate their own ability
- Effect less with experts
- Self-awareness linked with low self-esteem(!)

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Game

- I'm thinking of a number rule
- I will answer yes/no
- What is my yes/no number rule?

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Game: Confirmation bias

- I'm thinking of a number rule
 - I will answer yes/no
 - What is my yes/no number rule?
 - The rule is non-primes
- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
- Most individuals and groups only seek confirmatory evidence

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Framing / loss aversion

There is an outbreak of an unusual disease and two vaccinations exist:

- (a) Vaccination A will save 200 people
- (b) Vaccination B provides a $\frac{1}{3}$ probability of saving 600 people

Framing / loss aversion (2)

There is an outbreak of an unusual disease and two vaccinations exist:

- (a) If Vaccination A is adopted, 400 people will die
- (b) If Vaccination B is adopted, then there is a $\frac{2}{3}$ probability that 600 people will die

Framing / loss aversion (3)

- Lots of ways to ask the same question
- Frame the same question differently
- Trustee group dynamics – the pessimist

Framing

Primacy theory ----- Intermediate theory ----- Recency theory
 ← Use of ranges →

- Availability – overestimate likelihood
- Anchors
- Mentalism and the power of suggestion

Transactional utility

- You are on the beach in the sun and would like a beer
- Your honest friend calls
- How much are you willing to pay the fancy hotel?

Transactional utility

- You are on the beach in the sun and would like a beer
- Your honest friend calls
- How much are you willing to pay the fancy hotel?
- What if, instead, they are passing a grocery store?

Transactional utility

- Emphasis on value and outcome
- Remove personalities (?)
- When is it wrong to pursue a “value” opportunity?

Value of possession

- FA Cup final ...sold out
- Current ticket price would have been £50.
- How much are you willing to pay for ticket?

Value of possession

- FA Cup final ...sold out
- Current ticket price would have been £50.
- How much are you willing to pay for ticket?
- What if, instead, you already have a ticket.
- How much are you willing to sell it for?

Value of possession

- Psychology of ownership
- Backing your own decision
- Importance of loyalty – psychological contract

Do no harm / omission bias / status quo

- Who feels worse? ...
 - (a) Paul owns shares in company A, and considered switching to B, and would have been £1,200 better off if he had, but he didn't.
 - (b) George owns shares in company B, and did switch to company A and so finds he would have been £1,200 better off if he hadn't have switched.

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Do no harm / omission bias / status quo (2)

- Do no harm
- Don't make mistakes
- Don't fix it if it isn't broken
- Not punished for missed opportunities
- What happens when opportunities are rewarded?
- Decision frameworks to reward effective decision making
- Decision frameworks to promote risk management
- Examples: Finishing a PhD, pharmaceuticals

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Question ...

- Purpose of understanding decision making:
 - (a) To make better decisions?
 - (b) To be happier with the decisions you have made?
 - (c) To show you made a sensible decision?

Summary

- Heuristics
- Awareness
- Be clear of your objectives
- Understanding likely biases
- Helping others understand biases

Credits

Bazerman, M (2005)
Judgement in Managerial Decision Making
John Wiley and Sons

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